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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,083	09/15/2003	Jie Liu	132096	8856
7590 12/23/2004		EXAMINER		
General Electronic Company			ERDEM, FAZLI	
CRD Patent Docket Rm 4A59				
Bldg. K-1			ART UNIT	PAPER NUMBER
P.O. Box 8			2826	
Schenectady, 1	NY 12301		DATE MAILED: 12/23/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/662,083	LIU ET AL			
		Examiner	Art Unit			
		Fazli Erdem	2826			
Period fo	The MAILING DATE of this communication apor Reply	pears on the cover sheet with the c	orrespondence address			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPI MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a repoper of the property of the maximum statutory period the period for reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no event, however, may a reply be timply within the statutory minimum of thirty (30) days I will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 15 i	November 2004.				
2a)□		is action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)⊠	 Claim(s) 1-44 is/are pending in the application. 4a) Of the above claim(s) 19-36 is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-18 and 37-44 is/are rejected. Claim(s) 9 is/are objected to. 					
Applicati	ion Papers					
9)□	The specification is objected to by the Examin	er.				
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)[_]	The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.			
Priority ι	ınder 35 U.S.C. § 119	•				
a)l	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureasee the attached detailed Office action for a list	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachmen	t(s)					
1) Notic	(PTO-413)					
3) 🛛 Inforr	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date <u>9/15/2003</u> .	Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	ate atent Application (PTO-152)			

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DETAILED ACTION

- 1. Claims 9 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 2. The following is a statement of reasons for the indication of allowable subject matter:

 Prior art failed to establish light emitting device with compound electrode with metal oxide electrode.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-8, 10-13-18 and 37-44 rejected under 35 U.S.C. 102(e) as being anticipated by Heller (2004/0099305)

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR-1-132-that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Regarding Claims 1-8, 10-13, 18 and 37-44, Heller discloses electrodes mitigating effects of defects in organic electronic devices where in Fig. 3 and claims 19, 27-34, 38 and 40, it is disclosed a first electrode 20, a second electrode 40 having three layers 42, 46 and 48 where the first layer 42 that comprises halide compound selected from potassium or sodium, a second layer

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of 46 electronically active material 48 disposed between the first electrode 20 and the second electrode 40 where the second layer 46 is disposed between the first layer and the electronically active material 48.

Regarding Claims 2-4, 7, 8, 10, 38-40, 42 and 43, the required first and second electrode/layers are disclosed in Heller claims section specifically in claims 24, 25, 29-31

Regarding Claims 5,8, 15, 41 and 44, the required thickness is disclosed in Heller claims section specifically in claims 27, 29 and 34.

Regarding Claims 14-17, the required transparent electrode structure is disclosed in Heller claims section specifically in claims 27-33.

Regarding Claims 11-13 with required organic layer is disclosed in Heller claims section specifically in claims 27, 33 and 34.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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FE December 10, 2004

MATRON J. FLYNN ISBRY PATENT EXAMINER MULUGY CENTER 2800